

MDH1 (Phospho-Thr296) Antibody

Catalog No: #SAB608

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Description

Product Name	MDH1 (Phospho-Thr296) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human, Mouse
Specificity	MDH1(Phospho-Thr296) Antibody detects endogenous levels of MDH1 only when phosphorylated at threonine 296.
Immunogen Description	A synthesized peptide derived from human MDH1 around the phosphorylation site of T296.
Other Names	MDHA, Malate dehydrogenase, cytoplasmic, Cytosolic malate dehydrogenase, Diiodophenylpyruvate reductase
SDS-PAGE MW	36kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

Catalyzes the reduction of aromatic alpha-keto acids in the presence of NADH (PubMed:3052244). Plays essential roles in the malate-aspartate shuttle and the tricarboxylic acid cycle, important in mitochondrial NADH supply for oxidative phosphorylation (PubMed:31538237).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.